

In re Patent Application of:

KNIGHT ET AL.

Serial No. **10/828,584**

Filing Date: **April 21, 2004**

REMARKS

Claims 1-56 remain in this application. No claims have been cancelled. Claims 1, 14, 28, 41, 55, and 56 have been amended.

Applicants thank the Examiner for the detailed study of the application and prior art and note the indication that claims 1-56 are rejected under 35 U.S.C. §101, but would be allowable if rewritten to overcome the 101 rejection. The Examiner states that the claims are directed to non-statutory subject matter because the system/method claims do not produce a tangible result that is stored or displayed. The Examiner states that claim language should be added that includes displaying, storing or conveying as used with tangible results.

Applicants have analyzed the guidelines and have amended all independent claims to recite in a positive manner that the processor outputs and displays an oil/mineral deposit prediction value indicative of the likely presence of oil or mineral deposits. Of course, the value is a numerical value that can be printed on paper or displayed on a computer screen. This value indicates the probability of the likely presence of oil or mineral deposits.

No new matter has been added.

As explained in the specification, the oil or mineral deposits can be correlated to a location based on the output value and is a flag or indicator to geologists or other analysts that the combined data is indicative of the presence of oil or mineral deposits. The specific signatures as values could be extracted and could be added as an overlay to an

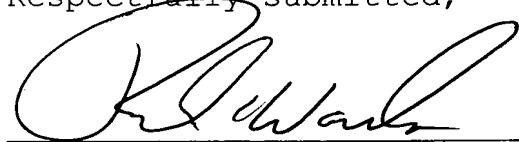
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earth map giving a topographical depiction based on the values to the likely presence of oil or mineral deposits.

Applicants note that the Interim Guidelines for Examination of Patent Applications for Patent Subject Matter Eligibility discusses what is a useful, concrete and tangible result and Applicants note specifically the use of output values that are considered allowable subject matter, for example, an anti-aliased pixel illumination intensity value that could be displayed on a display, or a discrete dollar amount as a final share price as in the State Street case.

Applicants contend that the present case is in condition for allowance and respectfully requests that the Examiner issue a Notice of Allowance and Issue Fee Due. If the Examiner has any questions or suggestions for placing this case in condition for allowance, the undersigned attorney would appreciate a telephone call.

Respectfully submitted,



RICHARD K. WARTHNER
Reg. No. 32,180
Allen, Dyer, Doppelt, Milbrath
& Gilchrist, P.A.
255 S. Orange Avenue, Suite 1401
Post Office Box 3791
Orlando, Florida 32802
Phone: 407-841-2330

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: **MAIL STOP AMENDMENT, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450**, on this 15th day of December, 2006.

Nicole Frederick